

COUNCIL

Agenda # _____

MEETING OF March 23, 2004



STAFF REPORT

Approving Plans and Specifications, Authorizing Advertisement for Sealed Bids, Approving Award of Contract to the Lowest Responsible Bidder for an Amount not to Exceed \$767,000, Approving a Construction Contingency not to Exceed \$76,700, and Authorizing the City Manager to Execute a Contract for Sanitary Sewer Rehabilitation - Basins 4 & 5, Ralston Avenue to South City Limits (El Camino Real Westerly to Crest of Hills), City Contract Number 456

Honorable Mayor and City Council:

Summary

The Department of Public Works staff request City Council approval for the Pipeliners - Sanitary Sewer Rehabilitation – Basins 4 & 5 plans and specifications and also request authorization to advertise this project for bid. This project is one of two construction projects planned for this year to rehabilitate the sewers in Basins 4 & 5 from Ralston Avenue to south city limits going from El Camino Real westerly to crest of hills. The engineer's estimate for this project is \$767,000. Staff also requests approval of a construction contingency equal to ten percent of the contract award.

Background and Discussion

The City of Belmont, Department of Public Works is managing a citywide sanitary sewer assessment and rehabilitation program to improve the sewer system's structural integrity and capacity and reduce infiltration and inflow of stormwater. Public Works began this program in 1991 with a sewer condition assessment and over the following 13 years completed a first round of sewer improvements in 12 of the City's 15 drainage basins. Basins 4, 5, and 6 located in the Sunnyslope, downtown, and Central neighborhoods just west of El Camino Real, are the final areas to be rehabilitated to complete the first round of the program.

Public Works video-inspected and smoke-tested the sanitary sewers in Basins 4, 5, and 6 a couple of years ago to identify defects requiring repair. The design engineer has analyzed the inspection results and designed three rehabilitation projects:

- (1) sewer lining in the basins south of Ralston (Sunnyslope and downtown),
- (2) pipebursting all three basins, and
- (3) sewer lining in the basin north of Ralston (to be combined with a project on the east side of El Camino Real.

This report addresses the first pipelining project south of Ralston. Staff plans to request approval to advertise the second pipebursting project this April. Both projects will be under construction through this summer. The third lining project will be held until next fiscal year.

Lining original clay sewer pipe with thin PVC plastic or resin-impregnated fiber is used to rehabilitate sewer mains where the existing pipe is still holding its shape, but has many cracks, open joints and root intrusion. The pipe is cleaned and televised prior to lining and any laterals protruding into the interior of the sewer main are cut off to make a smooth surface for the liner. For installation, the liner material is heated to give it sufficient flexibility and pressurized while warm to form it tightly against the existing clay pipe. Once cooled, it sets to a rigid, strong, and smooth lining that stabilizes further deterioration of the clay pipe and generally improves the flow characteristic and capacity of the sewer main. Lateral connections are reopened by grinding out the liner wall. The liner has an expected useful life of 50 years or more, so the lined sewers should not need further rehabilitation for many decades. Approximately 18,415 linear feet of sewer main will be lined as part of City Contract Number 456.

This work is funded by the \$7.5 million sewer bonds sale approved in 2001. A second sewer bond sale is planned for Fall 2004. This second bond sale will provide an additional \$7.5 million for sewer rehabilitation to be used over the next five years to conduct the second round of sewer rehabilitation. Public Works expects this second round of work to largely complete needed improvements, although the system will continue to need routine repairs and maintenance.

The Department of Public Works requests City Council approval of the plans and specifications and authorization to advertise for sealed bids from qualified contractors. The proposed bid opening date is April 27, 2004. If a contract can be awarded, construction should start in May and continue through Fall 2004, depending on weather.

Fiscal Impact

The engineer's estimated cost for City Contract Number 456 is \$767,000. Funding will be obtained from the CIP FY 2003/04 Sewer Basins 4, 5 & 6 Pipeliners Project Account 503-4326-7045-9030 with budgeted funds of \$ 1,100,000. Another \$76,700 will be reserved as a 10 percent construction contingency to be approved for use as needed by the City Manager and Finance Director to address unforeseen conditions that would prevent contract completion.

Recommendation

It is recommended that the City Council approve City Contract Number 456 – Pipeliners - Sanitary Sewer Rehabilitation – Basins 4 & 5 contract plans and specifications. It is further recommended that the City Council authorize advertising for sealed bids from qualified construction contractors and approve award of contract to the lowest responsible bidder for an amount not to exceed \$767,000. Staff also request approval of a construction contingency equal to ten percent of the contract award. Assuming acceptable bids are received, it is recommended that Council authorize the City Manager to execute a contract with the lowest responsible bidder.

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Alternatives

1. Refer back to staff for further information.
2. Deny the request.

Attachments

1. Resolution

Respectfully submitted,

Kathleen Phalen, P.E.
City Engineer

Raymond E. Davis, III, P.E., PTOE.
Director of Public Works

Jere A. Kersnar
City Manager

RESOLUTION NO. ____

**CITY OF BELMONT
San Mateo County California**

**RESOLUTION OF THE CITY COUNCIL OF THE CITY OF BELMONT APPROVING
PLANS AND SPECIFICATIONS, AUTHORIZING ADVERTISEMENT FOR SEALED
BIDS, APPROVING AWARD OF CONTRACT TO THE LOWEST RESPONSIBLE
BIDDER FOR AN AMOUNT NOT TO EXCEED \$767,000, APPROVING A
CONSTRUCTION CONTINGENCY NOT TO EXCEED \$76,700, AND AUTHORIZING
THE CITY MANAGER TO EXECUTE A CONTRACT FOR SANITARY SEWER
REHABILITATION, BASINS 4 & 5, RALSTON AVENUE TO SOUTH CITY LIMITS
(EL CAMINO REAL WESTERLY TO CREST OF HILLS)
CITY CONTRACT NUMBER 456**

WHEREAS, as part of the Citywide sanitary sewer rehabilitation program, sanitary sewers in Basins 4 & 5, Ralston Avenue to south city limits (El Camino Real westerly to Crest of Hills) are scheduled for rehabilitation; and,

WHEREAS, the Department of Public Works has prepared plans and specifications for this work; and,

WHEREAS, Sewer Enterprise Funds have been budgeted in Fiscal Year 2004 for this project.

NOW, THEREFORE, BE IT RESOLVED:

1. The City Council approves City Contract Number 456 plans and specifications.
2. The City Council authorizes advertisement for sealed bids for this work.
3. The City Council approves award of contract to the lowest responsible bidder for an amount not to exceed \$767,000, and approves a 10 percent construction contingency not to exceed \$76,700 to be administered by the City Manager.
4. The City Council authorizes the City Manager to execute a contract with the lowest responsible bidder.
5. Funding shall be from the FY2003/04 budget, project account 503-4326-7045-9030.

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I hereby certify that the foregoing Resolution was duly and regularly passed and adopted by the City Council of the City of Belmont at a regular meeting thereof held on March 23, 2004.

AYES, COUNCILMEMBER(S): _____

NOES, COUNCILMEMBER(S): _____

ABSTAIN, COUNCILMEMBER(S): _____

ABSENT, COUNCILMEMBER(S): _____

City Clerk of the City of Belmont

APPROVED:

Mayor of the City of Belmont